Cessna 172

R5

R1

insert penny here

Glue to top of wing over cuts.

N018NM

Civil Air Patrol

gear here

fold up

CAP Aerospace Program
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http://internet.cybermesa.com/~bjackson

cut form edge to here

Fold under and glue to bottom
of wing.

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academic and moral
leadership in our nation's
youth through an interest
in aviation.

CAP

insert penny here

R2

R4

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Cessna 172

L2

insert penny here

http://www.cap.gov/

R5

L4

R3

insert penny here

gear here

fold up

N018NM

Fold the gear support to form a triangle on the side of the fuselage and attach the main gear.
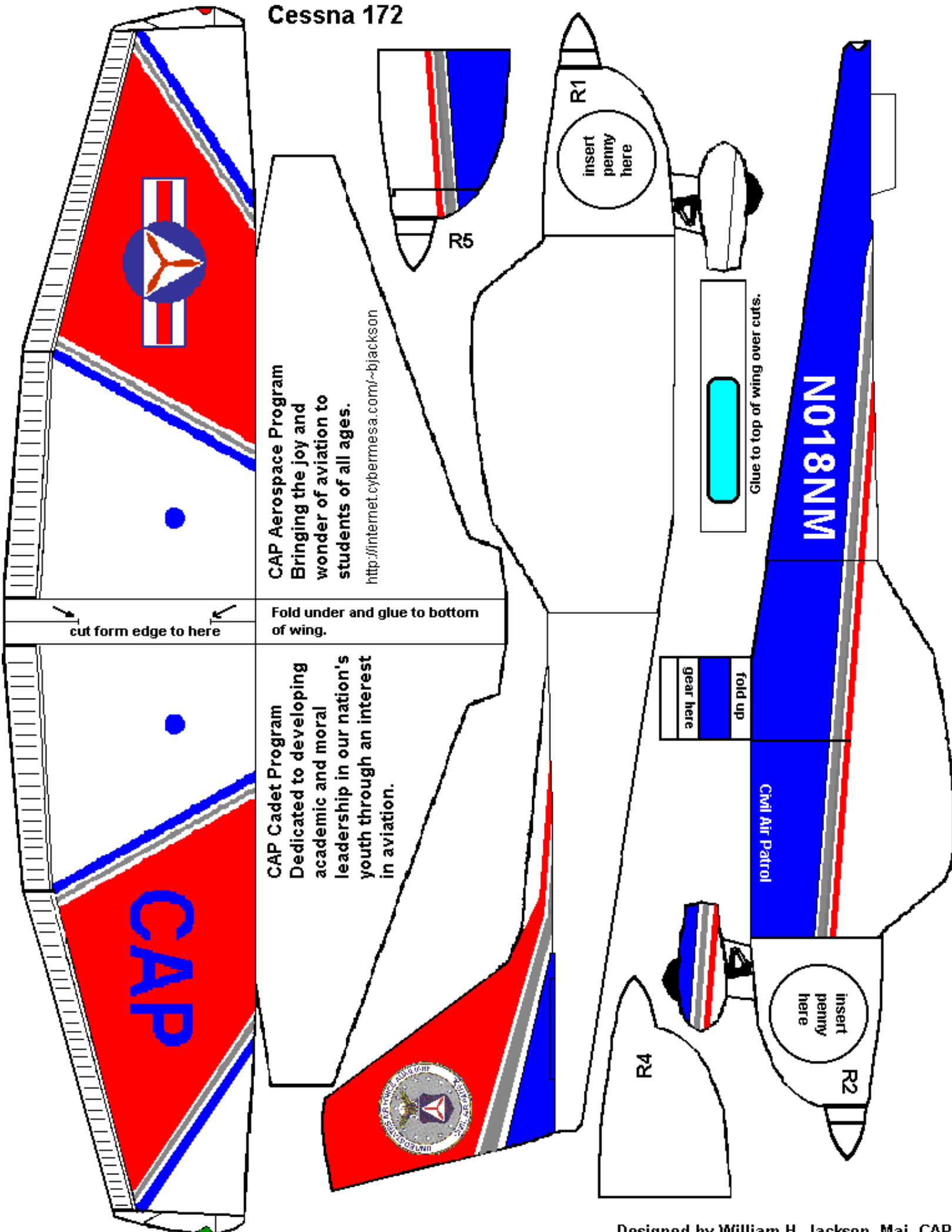
L3

insert penny here

L1

insert penny here

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Instruction for printing and assembling the C-172 Glider

Printing
1. Download and save the Word file in a convenient place, like your desktop.
2. Print the pattern on your color printer using white, heavy card stock.

Materials Needed
pattern printed on white heavy index card stock
1 U.S. penny, one 2 Euro cent piece, led foil or other sutable weight (approx. 2.5 grams) for use as a nose weight.
1 Scissors
Stick Glue (Elmer's Glue will work but it tends to be a little messy.)
ruler or straight edge

Construction
1. Rough cut all pieces to separate.
2. Carefully cut out all pieces.
3. Use a U.S. penny as a nose weight. Cut out penny slot in L1, L2, L3, R1, R2, & R3.
Note: If a United States one cent piece is unavailable, find a weight of approx. 2.5 to 3 grams. (A two Euro Cent coin works fine.)
4. Glue L1 and R1 together.
5. Fold up hoizontal stabilizer tabs and crease the landing gear brace on R2 & L2. (See drawing on the pattern)
6. Glue L2 to L1 and R2 to R1.
7. Fold up main wing tabs on R3 & L3 before gluing to R2 and L2.
8. Insert penny and glue R4 to R3 and L4 to L3.
9. Glue R5 to R4 and L5 to L4.
10. Fold wing stiffener under and glue to main wing.
Note: At this point if time is available, press main wing and fuselage under a heavy book and allow to dry overnight.
11. Cut slots in leading and trailing edge in the main wing at the wingroot.
12. Warp the leading edge of the main wing and make a slight dihedral.
13. Fold up and glue the first section of the landing gear brace to the fuselage.
14. Fold the other three sections of the brace around and under and glue the bottom section to the fuselage forming a triangle.
15. Glue the three sections of the main landing gear together.
16. Crease the landing gear at the center and bend slightly.
17. Crease and fold down the main gear wheel pants so that they are straight up and down.
18. Glue main gear to the landing gear brace.
Note: If you plan to fly your airplane a lot, you may want to leave off the landing gear and make your model in "gear up" configuration.
20. Attach the main wing to the tabs on the fuselage.
21. Attach the top window piece over the cuts in the main wing.
22. Insert the horizontal stabilizer in the slot at the tail of the fuselage and glue to the tabs.
23. Trim, Fly and Enjoy.

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